

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A fuel cell unit comprising:
a fuel cell for electric power generation, the fuel cell having a cathode and an anode;
a mixing tank housing a mixture of fuel and exhaust water from the fuel cell;
a fuel tank housing ~~[[the]]~~ fuel;
a pump delivering the mixture to the anode and air to the ~~fuel-cell~~ cathode;
a casing housing the fuel cell, the pump and at least one of the fuel tank ~~[[and]]~~ or the mixing tank; and

a partition partitioning an interior of the casing into a first compartment housing the fuel cell and a second compartment, the partition comprising first, second and third flow paths, the first flow path connecting the mixing tank to the fuel cell, the second flow path connecting the fuel cell to the pump, the third flow path connecting the pump to the mixing tank.
2. (Currently Amended) The fuel cell-unit of claim 1, wherein:
~~the partition is configured~~ includes a thermal insulation material to restrict heat transfer from the first compartment to the second compartment.
3. (Original) The fuel cell unit of claim 1, wherein:
the partition comprises a manifold including the first, second and third flow paths.
4. (Original) The fuel cell unit of claim 1, wherein:
the partition comprises one or more partition walls having the flow paths disposed at one side thereof or therebetween.

5. (Original) The fuel cell unit of claim 1, wherein:
the partition comprises an air inlet port.

6.-9. (Canceled)

10. (Original) The fuel cell unit of claim 5, further comprising:
a gas-liquid separation film disposed at the air inlet port.

11. (Original) The fuel cell unit of claim 5, further comprising:
a regulation valve disposed at the air inlet port.

12. (Original) The fuel cell unit of claim 10, further comprising:
a filter disposed at the air inlet port.

13. (Original) The fuel cell unit of claim 1, further comprising:
a fan driven by the pump so as to cool the mixing tank.

14. (Original) The fuel cell unit of claim 1, wherein:
the fuel cell comprises a direct methanol fuel cell.

15. (Original) The fuel cell unit of claim 1, wherein:
the fuel comprises methanol.

16. (New) The fuel cell unit of claim 1, wherein:
the mixing tank is connected to the fuel cell;

wherein the fuel tank is connected to the mixing tank; and

the pump is connected to both the fuel cell and the mixing tank, the pump negatively pressurizing the fuel cell whereby delivery of the fuel to the mixing tank and delivery of the mixture and air to the fuel cell are done by the pump.

17. (New) The fuel cell unit of claim 1, wherein the fuel tank includes a porous body disposed along an interior wall of the fuel tank and a flow path connecting the porous body to the fuel cell.

18. (New) The fuel cell unit of claim 1, wherein the mixing tank includes a porous body disposed along an interior wall of the mixing tank, a cavity portion, an inflow path connecting the fuel cell to the cavity portion and an exhaust flow path connecting the cavity portion to an outside of the mixing tank.

19. (New) The fuel cell unit of claim 18, wherein the cavity portion includes an obstruction piece configured to obstruct direct fluid transfer from the inflow path to the exhaust flow path.